AFRD ES&H Operations Committee
71J Conference Room
May 4, 2007
2:00 – 3:00 PM

Minutes

Attendees: Mike Dong, Daryl Horler, Steve Lidia, Tom McVeigh, Peter Seidl, Pat Thomas, Csaba Toth

1. ES&H News and Lessons Learned

Fusion Science & Ion Beam Technology have been combined into one Program under Grant Logan. The two groups had a get-acquainted meeting. Peter Seidl and Tom McVeigh are starting to work together on safety issues.

There were no new "Lessons Learned" in the LBNL database. Joe Chew sent a link to a May 3rd New York Times article, "Easy, Mr. Fix-It", that describe injuries resulting from people's attempts to do home repairs:
http://www.nytimes.com/2007/05/03/garden/03disasters.html?ex=1178856000&en=70d55fbf71dd5a09&ei=5070&emc=eta1

2. Penetration Permits – Mike Dong

A Penetration Permit is required for penetration of any surfaces of a depth greater than 1 1/2 inches. Mike Dong manages the Penetration Permit program at Facilities. The permit process was changed because LBNL had a series of 9 violations over a period of 60 days last summer. The new procedure was issued October 2, 2006. About 92 people have completed the one-hour training required to be a "Responsible Individual". The only way you can get an application is through the website at:
http://fac.lbl.gov/OpMaint/DigApp/
If you have not completed the training, the system will not let you download the permit application.

A permit may be granted for up to 30 days. The permit may be extended if the site doesn't change. The boundaries of the site are marked. Permits may be extended for up to 2 years for new construction sites.

Requests to do core drilling within 6" of a 480V line will be disallowed. If there is a need to drill closer, a variance must be requested from the Facility Division Deputy. Lockout-tagout of the power source would be required.

The approved permits are now printed on canary yellow paper, so it is easier to tell a posted permit application from the approved permit. The workers who will do the

penetration work must read and sign the permit. The Responsible Individual will conduct a pre-start meeting with the workers/contractors. There can be an alternate Responsible Individual who can act in the permit applicants' absence, but this person must also be trained.

The system will provide an application checklist and a pre-start checklist to the Responsible Individual.

There is a Job Hazards Questionnaire question now that asks about penetration work and triggers the training requirement. Classes are being held as needed, whenever Mike Dong receives enough requests to make it worthwhile to have a class. If you anticipate a need to do penetration work and have not been trained, please e-mail a training request to Mike Dong.

Last quarter, 97 permits were issued and there were two violations. One was from a contractor at Bldg. 6 starting work after the survey was completed but before the permit was issued. The other violation was a contractor digging deeper than 5' at the corner near Bldg. 71. Work at this depth requires shoring to prevent the trench from collapsing.

No destruction methods of digging are allowed within 30" of a utility. Hand picking is considered a destructive method. This requirement is intended to prevent problems like the one that occurred a few years ago during a plumbing upgrade project, when the contractor hit a gas line near Bldg. 50.

A penetration permit would be needed for driving a grounding rod deeper than 1 1/2". A permit is not needed for driving survey rods.

If you want to hang items on a wall or do seismic securing, it is better to call the Work Request Center than to try to do it yourself. The carpenters use scanning devices, and may open holes to see what is in the wall. They will look at both sides of the wall. There was an incident where someone drilled into a wall and there was an electrical box on the other side.

3. Program Forum

At the IBT half of Fusion Science & Ion Beam Technology, Jani Reijonen is trying different antenna configurations. At Fusion, no tests are anticipated at the Hot Plate Source Test Stand for a while. The plan is to eventually discontinue this test stand and merge it with the DARHT test stand. New parts are being fabricated for the NDCX vacuum chamber, and they will be adding some small dipole magnets.

At CBP, people are moving out of the main part of Bldg. 71 into new offices. New rack space is being installed in the BEG lab.

Supercon's next magnet test is expected to take place in September. It will be an 18,000- amp magnet. There will be a lot of redesign work to get ready. Brad Bingham is coordinating the electrical engineering. The AHDs will need to be updated before the test. Recently, Supercon has been busy reacting and hi-potting coils.

LOASIS people are also getting ready to move as soon as the new trailers arrive. Maintenance work is going on in the labs. Csaba Toth is working with Ken Barat on the AHD update. Renovation of the 71-146 A-cave has been delayed pending funding approval. The construction will occupy the parking lot between 71 and 71B.

Next Meeting:

June 1, 2:00 PM, Bldg. 71J Conference Room